

**Bonnie D. Shealy**

1901 MAIN STREET, SUITE 1200

POST OFFICE BOX 944

COLUMBIA, SOUTH CAROLINA 29202

**PH**

(803) 779-8900 | (803) 227-1102 *direct*

**FAX**

(803) 252-0724 | (803) 744-1551 *direct*

bshealy@robinsonlaw.com

April 29, 2010

**VIA ELECTRONIC FILING**

Jocelyn Boyd, Interim Chief Clerk of the Commission  
Public Service Commission of South Carolina  
Post Office Drawer 11649  
Columbia, South Carolina 29211

**Re: Duke Energy Carolinas, LLC  
Docket No. 1989-9-E**

Dear Jocelyn:

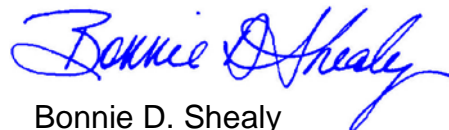
Pursuant to the Commission's orders enclosed for filing on behalf of Duke Energy Carolinas, LLC are the following:

1. Monthly Fuel Cost Report for March 2010 (Exhibit A);
2. Base Load Power Plant Performance Report for March 2010 (Exhibit B);  
and
3. Revised Schedule 10 (page 2) for February 2009 through January 2010  
and for March 2009 through February 2010; Revised Exhibit B (page 6) for  
January and February 2010; and Revised Exhibit B (page 12) for February  
2009 through January 2010 and March 2009 through February 2010.

The appropriate schedules have been revised due to issues related to a new upgrade of the software/reporting source of the performance data reports. If you have any questions, please contact me.

Very truly yours,

ROBINSON, MCFADDEN & MOORE, P.C.



Bonnie D. Shealy

/bds

Enclosures

cc/enc:

Dan Arnett, ORS Chief of Staff (via email & U.S. Mail)  
Jeffrey Nelson, ORS Staff Attorney (via email & U.S. Mail)  
John Flitter, ORS (via email & U.S. Mail)  
Scott Elliott, Esquire for SC Energy Users Committee (via email & U.S. Mail)  
Alex Castle, Senior Counsel (via email)

DUKE ENERGY CAROLINAS  
SUMMARY OF MONTHLY FUEL REPORT  
SC Code Ann. §58-27-865 (Supp. 2009)

Line No.		March 2010
	Fuel Expenses:	
1	Fuel and fuel-related costs	\$ 120,142,665
2	Less fuel expenses (in line 1) recovered through intersystem sales (a)	1,066,314
3	Total fuel and fuel-related costs (line 1 minus line 2)	\$ 119,076,351
	MWH sales:	
4	Total system sales.	6,709,038
5	Less intersystem sales	41,712
6	Total sales less intersystem sales	6,667,326
7	Total fuel and fuel-related costs (¢/KWH) (c) (line 3/line 6)	1.7860
8	Current fuel and fuel-related cost component (¢/KWH) (per Schedule 4, Line 2 + Line 8)	1.9652
	Generation Mix (MWH):	
	Fossil (by primary fuel type):	
9	Coal	2,569,649
10	Fuel Oil	(2,029)
11	Natural Gas	(5)
12	Total fossil	2,567,615
13	Nuclear 100%	4,867,611
14	Hydro - Conventional	219,985
15	Hydro - Pumped storage	(23,682)
16	Total hydro	196,303
17	Solar Distributed Generation	381
18	Total MWH generation	7,631,910
19	Less joint owners' portion	1,395,979
20	Adjusted total MWH generation	6,235,931
	(a) Line 2 includes:	
	Fuel from intersystem sales (Schedule 3)	\$ 1,026,110
	Fuel in loss compensation	40,204
	Total fuel recovered from intersystem sales	\$ 1,066,314

DUKE ENERGY CAROLINAS  
DETAILS OF FUEL AND FUEL-RELATED COSTS  
SC Code Ann. §58-27-865 (Supp. 2009)

Fuel and fuel-related costs:	March 2010
Steam Generation - FERC Account 501	
0501110 coal consumed - steam	\$ 89,109,654
0501222, 0501223 biomass/test fuel consumed	-
0501310 fuel oil consumed - steam	289,123
0501330 fuel oil light-off - steam	560,540
Total Steam Generation - Account 501	<u>89,959,318</u>
Environmental Costs	
0509000, 0557451 emission allowance expense	12,332
0502020, 030, 040 reagents expense	2,420,990
Emission allowance gains	(17,000)
Total Environmental Costs	<u>2,416,322</u>
Nuclear Generation - FERC Account 518	
0518100 burnup of owned fuel	18,588,178
0518600 nuclear fuel disposal cost	4,563,930
Total Nuclear Generation - 100%	<u>23,152,108</u>
Less joint owners' portion	6,543,546
Total Nuclear Generation - Account 518	<u>16,608,562</u>
Other Generation - FERC Account 547	
0547100 natural gas consumed	15,928
0547200 fuel oil consumed - CT	9,416
Total Other Generation - Account 547	<u>25,344</u>
Solar Distributed Generation @ Avoided Fuel Cost	18,690
Total fossil and nuclear fuel expenses included in base fuel component	109,028,235
Fuel related component of purchased and interchange power per Schedule 3, pages 1 and 2	7,694,765
Fuel related component of purchased power (economic accrual)	<u>3,419,665</u>
Total fuel and fuel-related costs	<u>\$ 120,142,665</u>

DUKE ENERGY CAROLINAS  
DETAILS OF FUEL AND FUEL-RELATED COSTS  
SC Code Ann. §58-27-865 (Supp. 2009)

Other fuel expenses not included in  
fuel and fuel-related costs:

March 2010

Net proceeds from sale of by-products	\$ 640,883
0501223 biomass avoided fuel cost excess	-
0518610 spent fuel canisters-accrual	179,353
0518620 canister design expense	25,916
0518700 fuel cycle study costs	93,164
Non-fuel component of purchased and interchanged power	8,173,514
Total other fuel expenses not included in fuel and fuel-related costs:	\$ 9,112,830
Less Solar Distributed Generation @ Avoided Fuel Cost	(18,690)
Adjusted total other fuel expenses not included in fuel and fuel-related costs:	\$ 9,094,140
Total FERC Account 501 - Total Steam Generation	89,959,318
Total FERC Account 518 - Total Nuclear Generation	16,906,994
Total FERC Account 547 - Other Generation	25,344
Total Reagents Expense	2,420,990
Total Gain/Loss from Sale of By-Products	640,883
Total Emission Allowance Expense	12,332
Total Gain/Loss from Sale of Emission Allowances	(17,000)
Total Purchased and Interchanged Power Expenses	19,287,944
Total Fuel, Fuel Related and Purchased Power Expenses	\$ 129,236,805

DUKE ENERGY CAROLINAS  
PURCHASED POWER AND INTERCHANGE  
SOUTH CAROLINA  
MARCH 2010

Exhibit A  
Schedule 3  
SC, Purchases, Month  
Page 1 of 3

Purchased Power	Total	Capacity		Non-Capacity		
		MW	\$	MWH	Fuel \$	Non-Fuel \$
Marketers, Utilities, Other	\$					
Alcoa Power Generating Inc.	73,930	-	-	2,665	45,997	28,833
American Electric Power Serv Corp.	-	-	-	-	1,577	(1,577)
Blue Ridge Electric Membership Corp.	2,332,313	86	1,002,929	46,531	810,925	518,459
Cargill Power Marketers LLC	34,000	-	-	1,100	20,740	13,260
Citygroup Energy	50,100	-	-	1,675	30,561	19,539
City of Kings Mtn	8,979	3	8,979	-	-	-
Cobb Electric Membership Corp.	30,392	-	-	800	18,539	11,853
ConocoPhillips Company	(1,523)	-	-	-	(929)	(594)
Constellation	32,300	-	-	850	19,703	12,597
Heywood Electric	395,546	20	195,045	7,097	122,306	78,195
Lockhart Power Co.	19,272	7	19,272	-	-	-
MISO	4,621	-	-	-	2,819	1,802
Morgan Stanley Capital Group	28,800	-	-	800	17,568	11,232
NCEMC load following	5,844	-	-	584	2,792	3,052
NCMPA #1	3,354,135	-	-	92,170	1,594,669	1,759,466
Piedmont Electric Membership Corp.	1,174,830	42	508,431	22,940	406,504	259,895
PJM Interconnection LLC	2,245,743	-	-	59,111	1,369,903	875,940
Rutherford Electric Membership Corp.	32,551	-	-	1,370	19,956	12,695
Southern	58,540	-	-	3,015	35,709	22,831
SPCO - Rowan	1,352,525	456	1,359,984	-	(4,550)	(2,909)
The Energy Authority	106,685	-	-	3,184	65,078	41,607
Town of Dallas	584	-	584	-	-	-
Town of Forest City	20,148	7	20,148	-	-	-
Generation Imbalance	160,284	-	-	5,447	123,437	36,847
Energy Imbalance	146,837	-	-	4,549	89,771	57,066
	<u>\$11,667,436</u>	<u>621</u>	<u>\$3,116,372</u>	<u>263,888</u>	<u>\$4,792,076</u>	<u>\$ 3,769,989</u>

DUKE ENERGY CAROLINAS  
PURCHASED POWER AND INTERCHANGE  
SOUTH CAROLINA  
MARCH 2010

Exhibit A  
Schedule 3  
SC, Purchases, Month  
Page 2 of 3

Purchased Power	Total	Capacity		Non-Capacity		
		MW	\$	MW	Fuel \$	Non-Fuel \$
<b>Cogen, Purpa, Small Power Producers</b>						
203 Nestrator LLC	54	-	-	-	-	54
Advantage Investment Group, LLC	4,844	-	-	67	-	4,844
AKS Real Estate Holdings LLC	17	-	-	-	-	17
Alamance Hydro, LLC	8,137	-	-	118	-	8,137
Amelia M Collins	15	-	-	-	-	15
Andrews Truss, Inc.	30	-	-	1	-	30
Anna L Reilly	22	-	-	-	-	22
Aquenergy Corp.	232,367	-	-	3,687	-	232,367
Barbara Ann Evans	3,293	-	-	90	-	3,293
Berjoui Keshguerian	22	-	-	-	-	22
Blomerieux, Inc	501	-	-	8	-	501
Black Hawk Inc	43	-	-	1	-	43
Bruce Marotta	24	-	-	-	-	24
Byron P Matthews	13	-	-	-	-	13
Catawba County	65,379	-	-	1,890	-	65,379
Cherokee County	3,700,348	-	800,975	32,956	1,330,401	1,568,972
Clark H Mizell	48	-	-	1	-	48
Cliffside Mills LLC	17,609	-	-	238	-	17,609
Converse Energy	40,924	-	-	640	-	40,924
Daniel L Kerns	161	-	-	3	-	161
Dave K Birkhead	9	-	-	-	-	9
David A Ringenbun	21	-	-	-	-	21
David E. Shi	11	-	-	-	-	11
David H Newman	20	-	-	-	-	20
David M Thomas	33	-	-	1	-	33
David W Walters	23	-	-	-	-	23
David Wiener	16	-	-	-	-	16
Decision Support	139	-	-	2	-	139
Delta Products Corp.	132	-	-	2	-	132
Diann M. Barbacci	10	-	-	-	-	10
Earnhardt-Childress Racing Technologies, LLC	197	-	-	3	-	197
Edward W Wilkin	29	-	-	1	-	29
Everett L. Williams	88	-	-	2	-	88
Fogleson Construction, Inc	18	-	-	-	-	18
Frances L. Thomson	29	-	-	1	-	29
Gerald Priebe	21	-	-	-	-	21
Gerald W. Meisner	22	-	-	-	-	22
Gas Recovery Systems, LLC	180,519	-	-	2,738	134,455	46,064
Greenville Gas Producer, LLC	109,968	-	-	1,912	93,860	16,108
Gwenthry T Reid	17	-	-	-	-	17
H Malcolm Hardy	17	-	-	-	-	17
Haneline Power, LLC	13,741	-	-	180	-	13,741
Haw River Hydro Co	30,726	-	-	845	-	30,726
Hayden-Harman Foundation	8	-	-	-	-	8
Hendrik J. Rodenburg	20	-	-	-	-	20
Henry Jay Becker	27	-	-	1	-	27
HMS Holdings Limited Partnership	397	-	-	7	-	397
Holzworth Holdings	4	-	-	-	-	4
Inman Mills (Riverdale Dev Venture)	-	-	-	1	-	-
Innovative Solar Solutions	24	-	-	-	-	24
Irvine River Company	27,381	-	-	342	-	27,381
Jafasa Farms	79	-	-	-	-	79
James B Sherman	16	-	-	-	-	16
James L. Johnson	6	-	-	-	-	6
James Richard Trevathan	6	-	-	-	-	6
Jeffery Lynn Pardue	27	-	-	1	-	27
Jerome Levit	8	-	-	-	-	8
Jody Fine	13	-	-	-	-	13
Joel L. Hager	26	-	-	1	-	26
John B Robbins	45	-	-	1	-	45
John H. Dilberti	59	-	-	1	-	59
Keith Adam Smith	12	-	-	-	-	12
Lamar Bates	29	-	-	1	-	29
Leon's Beauty School, Inc	190	-	-	3	-	190
Linda Alexander	16	-	-	-	-	16
Marijyn M Norfolk	16	-	-	-	-	16
Mark A Powers	8	-	-	-	-	8
Mary K Nicholson	20	-	-	-	-	20
Matthew T. Ewers	15	-	-	-	-	15
Mayo Hydro	59,039	-	-	992	-	59,039
Michael G Hitchcock	46	-	-	1	-	46
Mil Shoals Hydro	23,960	-	-	673	-	23,960
Mr Lawrence B Miller	28	-	-	-	-	28
MP Durham, LLC	104,765	-	-	1,896	88,689	16,076
Northbrook Carolina Hydro	343,977	-	-	5,398	-	343,977
Optima Engineering	50	-	-	1	-	50
Pacifica HOA	28	-	-	1	-	28
Paul C Kuo	21	-	-	-	-	21
Paul G. Keller	24	-	-	-	-	24
Pelzer Hydro Co.	165,946	-	-	2,587	-	165,946
Peter J Jarosak	9	-	-	-	-	9
Philip E Miner	26	-	-	-	-	26
Phillip B. Caldwell	17	-	-	-	-	17
Pickins Mill Hydro LLC	6,840	-	-	95	-	6,840
Pippin Home Designs, Inc	14	-	-	-	-	14
PRS-PK Engines, LLC	394	-	-	6	-	394
R Lawrence Ashe Jr	28	-	-	1	-	28
Rajah Y Chacko	13	-	-	-	-	13
Rajendra Money	15	-	-	-	-	15
Ramona L. Stenwood	25	-	-	1	-	25
Raylen Vineyards Inc	58	-	-	1	-	58
Ron B Rozzelle	29	-	-	1	-	29
Ronald R Butters	24	-	-	-	-	24
Rousch & Yates Racing Engines, LLC	115	-	-	2	-	115
Russell Von Slain	8	-	-	-	-	8
Salem Energy Systems	111,685	-	-	2,294	-	111,685
Samuel C Province	67	-	-	1	-	67
Scot Friedman	32	-	-	1	-	32
Shawn Slome	10	-	-	-	-	10
South Yadkin Power	15,690	-	-	206	-	15,690
Stanley Chamberlain	29	-	-	1	-	29
Steve Mason Ent., Inc.	1,647	-	-	47	-	1,647
Steven Graf	29	-	-	-	-	29
Stewart A Bible	8	-	-	-	-	8
Strates Inc	32	-	-	1	-	32
Sun Capital, Inc	129	-	-	2	-	129
Sun Edison LLC	24,956	-	-	368	18,073	6,863
T.S. Designs, Inc.	47	-	-	1	-	47
The Rocket Shop, LLC	12	-	-	-	-	12
Thomas Knox Worde	10	-	-	-	-	10
Thomas W Bates	25	-	-	-	-	25
Town of Chapel Hill	25	-	-	-	-	25
Town of Lake Lure	65,913	-	-	1,428	-	65,913
W. Jefferson Holt	52	-	-	1	-	52
Wallace & Graham PA	775	-	-	13	-	775
Walter C. McGevey	7	-	-	-	-	7
William Terry Baker	26	-	-	-	-	26
Yves Nisar	27	-	-	1	-	27
Energy Imbalance	(18,537)	-	-	(25,501)	-	7,964
	<b>\$ 5,346,304</b>	<b>-</b>	<b>\$ 800,976</b>	<b>61,669</b>	<b>\$1,638,977</b>	<b>\$ 2,906,362</b>
<b>TOTAL PURCHASED POWER</b>	<b>\$17,013,740</b>	<b>621</b>	<b>\$3,916,347</b>	<b>315,657</b>	<b>\$6,431,052</b>	<b>\$ 6,666,341</b>
<b>INTERCHANGES IN</b>						
Other Catawba Joint Owners	6,018,151	-	-	702,904	4,647,608	1,370,543
Total Interchanges In	6,018,151	-	-	702,904	4,647,608	1,370,543
<b>INTERCHANGES OUT</b>						
Other Catawba Joint Owners	(3,743,947)	(866)	(134,209)	(460,592)	(3,383,895)	(225,843)
Catawba- Net Negative Generation	-	-	-	-	-	-
Total Interchanges Out	(3,743,947)	(866)	(134,209)	(460,592)	(3,383,895)	(225,843)
<b>Net Purchases and Interchange Power</b>	<b>19,267,944</b>	<b>(245)</b>	<b>3,782,138</b>	<b>557,869</b>	<b>7,694,765</b>	<b>7,811,041</b>

DUKE ENERGY CAROLINAS  
INTERSYSTEM SALES\*  
SOUTH CAROLINA FUEL FILING  
MARCH 2010

**Exhibit A**  
Schedule 3  
SC, Sales, Month  
Page 3 of 3

SALES	TOTAL CHARGES	CAPACITY		ENERGY		
		MW	\$	MWH	FUEL \$	NON-FUEL \$
<b>Utilities:</b>						
Progress Energy Carolinas - Emergency	\$ 12,498	-	\$ -	226	\$ 9,288	\$ 3,210
SC Public Service Authority - Emergency	-	-	-	-	18	(18)
SC Electric & Gas - Emergency	12,306	-	-	243	9,702	2,604
<b>Market Based:</b>						
Cargill-Alliant, LLC	44,135	-	-	730	31,875	12,260
Cobb Electric Membership Corp	9,442	-	-	149	6,685	2,757
ConocoPhillips Company	3,944	-	-	68	3,039	905
Constellation Power Sources	17,324	-	-	284	12,676	4,648
Fortis Energy Marketing	6,500	-	-	100	-	6,500
Merrill Lynch Commodities, Inc.	6,200	-	-	100	4,472	1,728
MISO	(7,618)	-	-	-	-	(7,618)
NCEMC	210,502	-	-	1,525	-	210,502
NCEMC (Generator/Instantaneous)	156,783	25	125,000	590	26,426	5,357
NCMPA #1	237,402	50	216,500	377	17,313	3,589
NCMPA #1 - Rockingham	157,500	50	157,500	-	-	-
Oglethorpe	3,000	-	-	50	2,257	743
PJM Interconnection LLC	935,489	-	-	25,539	519,665	415,824
Progress Energy Carolinas	249,665	-	-	4,330	183,262	66,403
SC Electric & Gas Market based	350	-	-	-	-	350
Southern	6,000	-	-	100	4,472	1,528
The Energy Authority	53,393	-	-	903	40,416	12,977
TVA	152,500	-	-	2,500	111,871	40,629
<b>Other:</b>						
Generation Imbalance	58,697	-	-	3,898	42,673	16,024
BPM Transmission	(97,838)	-	-	-	-	(97,838)
	<u>\$ 2,228,174</u>	<u>125</u>	<u>\$ 499,000</u>	<u>41,712</u>	<u>\$ 1,026,110</u>	<u>\$ 703,064</u>

\* Sales for resale other than native load priority.

NOTE(S): Detail amounts may not add to totals shown due to rounding.

**Duke Energy Carolinas**  
**Over / (Under) Recovery of Fuel Costs**  
**March 2010**  
**SC Code Ann. §58-27-865 (Supp. 2009)**

Line No.			Residential	Commercial	Industrial	Total
1	S.C. Retail kWh sales	Input	602,266,771	446,175,485	648,923,477	1,697,365,733
<b>Base fuel component of recovery</b>						
2	Billed base fuel rate (¢/kWh)	Input	1.9606	1.9606	1.9606	1.9606
3	Billed base fuel expense	L1 * L2 / 100	\$11,808,042	\$8,747,717	\$12,722,794	\$33,278,553
4	Incurred base fuel rate (¢/kWh)	Input	1.6986	1.6986	1.6986	1.6986
5	Incurred base fuel expense	L1 * L4 / 100	\$10,230,103	\$7,578,737	\$11,022,614	\$28,831,454
6	Difference in ¢/kWh (Billed - Incurred)	L2 - L4	0.2620	0.2620	0.2620	0.2620
7	Base fuel over/(under) recovery	L1 * L6 / 100	<b>\$1,577,939</b>	<b>\$1,168,980</b>	<b>\$1,700,180</b>	<b>\$4,447,098</b>
7a	Prior period adjustment expense _/1	Input	\$0	\$0	\$0	\$0
<b>Environmental component of recovery</b>						
8	Billed rates by class (¢/kWh)	Input	0.0047	0.0058	0.0038	0.0046
9	Billed environmental expense	L8 * L1 / 100	\$28,307	\$25,878	\$24,659	\$78,844
10	Incurred rate by class (¢/kWh)	Input	0.0405	0.0424	0.0276	0.0361
11	Incurred environmental expense	L10 * L1 / 100	\$243,996	\$189,319	\$179,089	\$612,404
12	Difference in ¢/kWh (Billed - Incurred)	L8 - L10	(0.0358)	(0.0366)	(0.0238)	(0.0314)
13	Environmental over/(under) recovery	L9 - L11	<b>(\$215,689)</b>	<b>(\$163,441)</b>	<b>(\$154,430)</b>	<b>(\$533,560)</b>
13a	Prior period adjustment expense _/1	Input	\$0	\$0	\$0	\$0
<b>Economic purchase component of recovery</b>						
14	S.C. kWh sales % by class	L1 / L1T	35.48%	26.29%	38.23%	100.00%
15	Economic purchase accrual	L15T * L14	<b>(\$308,927)</b>	<b>(\$228,861)</b>	<b>(\$332,859)</b>	<b>(\$870,647)</b>
15a	Prior period adjustment expense _/1	Input	\$0	\$0	\$0	\$0
<b>Total over/(under) recovery</b>						
16	Current month	L7 + L13 + L15	<b>\$1,053,323</b>	<b>\$776,677</b>	<b>\$1,212,890</b>	<b>\$3,042,891</b>
16a	Current month w/adjustments	L16+(7a+13a+15a)	<b>\$1,053,323</b>	<b>\$776,677</b>	<b>\$1,212,890</b>	<b>\$3,042,890</b>

	Cumulative	Residential	Commercial	Industrial	Total Company
17 Cumulative over / (under) recovery					
Balance ending May 2009 _/2	47,830,080				
_/1 June	49,160,373	405,693	390,768	533,832	1,330,293
July	54,300,863	1,872,165	1,548,042	1,720,283	5,140,490
August	55,827,421	592,687	458,734	475,137	1,526,558
_/1 September	62,729,558	2,231,657	2,020,534	2,649,946	6,902,137
October	63,384,306	158,746	201,004	294,998	654,748
November	61,153,190	(620,334)	(629,338)	(981,444)	(2,231,116)
December	62,513,766	438,960	337,314	584,302	1,360,576
_/1 January	61,037,750	(613,821)	(389,605)	(472,590)	(1,476,016)
_/1 February	59,648,944	(530,297)	(345,454)	(513,055)	(1,388,806)
March	62,691,834	1,053,323	776,677	1,212,890	3,042,890
April					
May					

\_/1 Prior period adjustments recalculated using appropriate period sales; therefore, detail calculations not shown.

\_/2 May 2009 ending balance shown is net of GRT and further reflects the economic purchase adjustment for review period ended 5/31/2009 (Commission approved in September 2009).

DUKE ENERGY CAROLINAS  
FUEL AND FUEL RELATED COST REPORT  
March 2010

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Catawba Nuclear	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	McGuire Nuclear	Mill Creek CT	Oconee Nuclear	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME March 2010
<b>Cost of Fuel Received</b>																	
Coal (E) (I)	\$18,424,351	\$29,546,505	\$1,597,880			\$618,709	\$878,287	\$3,285,630		\$41,495,526						\$101,660,661	\$1,267,990,375
Fuel Oil	284,360	200,483	-	-		-	-	331,771		334,602				\$5,813,773		1,287,575	15,271,588
Gas			372				350	10,606	4,000					136,360		15,928	5,476,481
Total	\$18,708,711	\$29,746,988	\$1,598,252	\$0		\$618,709	\$878,637	\$3,628,007	\$4,000	\$41,830,127		\$0		\$5,950,733	\$0	\$102,964,164	1,288,738,444
<b>Received (#/MBTU) Avg</b>																	
Coal	394.82	348.68	364.15				412.35	392.93		351.85				354.60		362.28	367.54
Fuel Oil	1,611.20	1,607.20	-	-		-	-	1,589.93		1,608.51				1,600.09		1,603.18	1,409.78
Gas								841.75								1,264.13	380.93
Weighted Average	399.40	350.53	364.23	-		-	412.52	422.69	-	354.07		-		361.08	-	365.86	370.84
<b>Cost of Fuel Burned(\$ (D))</b>																	
Coal (F) (I)	\$18,614,470	\$28,013,041	\$2,639,847			\$0	\$526,773	\$1,505,745		\$36,360,360				\$1,449,419		\$89,109,655	\$1,247,212,848
Fuel Oil	267,781	134,880	55,787	-		-	10,125	34,968		344,952				10,586		859,079	14,681,435
Gas			372				350	10,606	4,000					600		15,928	5,476,481
Nuclear					8,103,061						5,353,109		9,695,937			23,152,107	273,762,174
Total	\$18,882,251	\$28,147,921	\$2,696,006	\$0	\$8,103,061	\$0	\$537,248	\$1,551,319	\$4,000	\$36,705,312	\$5,353,109	\$0	\$9,695,937	\$1,460,605	\$0	\$113,136,769	\$1,541,132,938
<b>Burned (#/MBTU) Avg</b>																	
Coal	395.73	393.75	383.23			-	345.12	354.59		336.26				350.96		366.55	357.22
Fuel Oil	1,540.74	1,539.37	1,598.48	-		-	1,654.41	1,552.75		1,524.45				1,486.80		1,538.58	1,406.44
Gas								841.75								1,264.13	380.93
Nuclear					47.13						44.55		49.65			47.50	46.83
Weighted Average	399.95	395.16	389.41	-	47.13	-	350.58	362.33	-	338.74	44.55	-	49.65	353.06	-	154.75	164.62
<b>Generated (¢/kWh) Avg</b>																	
Coal	3.95	3.59	4.10			(B)	3.85	3.79		3.12				3.84		3.47	3.42
Fuel Oil			(B)	(B)			(B)		(B)			(B)		(B)		(B)	(B)
Gas								(B)								(B)	(B)
Nuclear					0.47						0.45		0.50			0.48	4.68
Weighted Average	4.01	3.61	4.19	(B)	0.47	(B)	3.93	3.91	(B)	3.15	0.45	(B)	0.50	3.88	(B)	1.52	1.63
<b>Burned MBTU's</b>																	
Coal	4,703,817	7,114,389	688,843			-	152,635	424,643		10,813,313				412,985		24,310,625	349,142,581
Fuel Oil (H)	17,380	8,762	3,490	-		-	612	2,252		22,628				712		55,836	1,043,871
Gas								1,260								1,260	1,437,668
Nuclear					17,194,819						12,016,517		19,528,191			48,739,527	584,577,371
Total	4,721,197	7,123,151	692,333	-	17,194,819	-	153,247	428,155	-	10,835,941	12,016,517	-	19,528,191	413,697	-	73,107,248	936,201,490
<b>Net Generation (mWh)</b>																	
Coal (G)	470,718	780,258	64,392			(1,820)	13,691	39,698		1,164,939				37,773		2,569,649	36,439,256
Fuel Oil			(34)	(131)			(37)		(924)			(388)		(82)	(433)	(2,029)	(12,362)
Gas								(5)								(5)	117,063
Nuclear					1,728,681						1,191,998		1,946,932			7,435,226	57,762,612
Total	470,718	780,258	64,358	(131)	1,728,681	(1,820)	13,654	39,693	(924)	1,164,939	1,191,998	(388)	1,946,932	37,691	(433)	7,435,226	94,306,569
<b>Cost of Reagents Burned (\$)</b>																	
Ammonia		196,509				45,104										241,613	5,659,174
Limestone	222,123	258,217								1,061,294						1,541,634	13,595,051
Urea	299,621					328,602				9,520						637,743	4,112,106
Organic Acid																	
Total	521,744	454,726	-			373,707				1,070,813						2,420,990	23,366,330

(A) Detail amounts may not add to totals shown due to rounding.

(B) Cents/kWh not computed when costs and/or net generation is negative.

(C) Fuel costs based on recoverability unless otherwise noted. Data reflected at 100% ownership.

(D) Cost of fuel burned excludes \$12,332 associated with emission allowance expense for the month and \$616,640 for the twelve months ended.

(E) Fuel received includes 0,000 tons and \$0,000 associated with Biomass (wood product) test fuel at Buck & Lee for the month, as well as 5,168 tons and \$149,396 for the twelve months ended.

(F) Fuel burned includes 0,000 tons and \$0,000 associated with Biomass (wood product) test burn at Buck & Lee for the month, as well as 5,169 tons and \$149,396 for the twelve months ended.

(G) Net generation (MWh) includes 0,000 MWh associated with the co-burn of Biomass (wood product) at Buck & Lee for the month and 3,539 MWh for the twelve months ended. The 12ME Jan10 MWh has been updated for prior period adjustments.

(H) Twelve months ended November 2009 forward reflects corrections to the fuel oil MBTUs and the associated data for the months of Feb09, Mar09, and Apr09.

(I) Twelve months ended December 2009 forward reflects a change to fuel cost and associated data for coal/biomass in Sep09.

DUKE ENERGY CAROLINAS  
FUEL AND FUEL RELATED CONSUMPTION AND INVENTORY REPORT  
March 2010

Description	Allen Steam	Belews Creek Steam	Buck Steam/CT	Buzzard Roost CT	Cliffside Steam	Dan River Steam/CT	Lee Steam/CT	Lincoln CT	Marshall Steam	Mill Creek CT	Riverbend Steam/CT	Rockingham CT	Current Month	Total 12 ME March 2010
<b>Coal Data:</b>														
Beginning balance	522,749	1,388,728	134,619		286,998	63,489	128,840		646,712		202,897		3,375,032	3,440,295
Tons received during period (E)	198,156	346,123	18,490		-	8,736	33,547		475,042		67,073		1,147,166	14,013,741
Moisture adjustments	2,367	4,171	1,224		1,598	662	1,084		2,171		1,365		14,643	3,199
Tons burned during period (B) (F)	198,173	290,261	29,988		-	6,484	17,960		431,372		17,125		991,362	13,911,757
Ending balance	525,099	1,448,762	124,345		288,596	66,402	145,511		692,552		254,210		3,545,478	3,545,478
MBTUs per ton burned	23.74	24.51	22.97		-	23.54	23.64		25.07		24.12		24.52	25.10
Cost of ending inventory (\$/ton)	93.50	96.24	87.17		89.88	80.43	83.21		84.03		84.19		90.92	90.92
<b>Fuel Oil Data:</b>														
Beginning balance	213,115	196,193	412,397	1,536,309	52,837	167,191	503,124	8,741,986	258,482	3,940,704	246,731	2,254,372	18,523,441	18,916,743
Gallons received during period	128,269	90,579	-	-	-	-	150,828	-	150,292	-	61,535	-	581,503	7,841,950
Miscellaneous usage, transfers and adjustments	(2,781)	(5,189)	(1,546)	-	(579)	(334)	(2,689)	-	(13,176)	-	(2,687)	-	(28,981)	(530,379)
Gallons burned during period	126,312	63,623	25,243	-	-	4,441	16,275	-	163,484	-	5,139	-	404,517	7,556,868
Ending balance	212,291	217,960	385,608	1,536,309	52,258	162,416	634,988	8,741,986	232,114	3,940,704	300,440	2,254,372	18,671,446	18,671,446
Cost of ending inventory (\$/gal)	2.12	2.12	2.21	0.79	2.05	2.28	2.12	1.60	2.11	1.25	2.06	2.34	1.61	1.61
<b>Gas Data: (C)</b>														
Beginning balance														
MCF received during period			-	-		-	1,228	-		-	-	-	1,228	1,386,622
MCF burned during period			-	-		-	1,228	-		-	-	-	1,228	1,386,622
Ending balance														
Cost of ending inventory (\$/mcf)														
<b>Limestone Data:</b>														
Beginning balance	6,357	9,650							33,782				49,789	111,847
Tons received during period	12,133	11,909							37,211				61,253	425,889
Tons burned during period (B)	7,125	9,997							38,626				55,748	482,441
Ending balance	11,365	11,562							32,367				55,295	55,295
Cost of ending inventory (\$/ton)	31.26	25.83							28.53				28.53	28.53

(A) Detail amounts may not add to totals shown due to rounding.

(B) Twelve months ended includes aerial survey adjustment(s) reflected in the tons burned and cost of inventory lines for coal and limestone.

(C) Gas is burned as received; therefore, inventory balances are not maintained.

(E) Fuel received includes 0,000 tons and \$0,000 associated with Biomass (wood product) test fuel at Buck & Lee for the month, as well as 5,168 tons and \$149,396 for the twelve months ended.

(F) Fuel burned includes 0,000 tons and \$0,000 associated with Biomass (wood product) test burn at Buck & Lee for the month, as well as 5,169 tons and \$149,396 for the twelve months ended.

(H) Twelve months ended December 2009 forward reflects a change for the correct placement of an inventory adjustment made in September 2009.

**SCHEDULE 7**

**DUKE ENERGY CAROLINAS  
ANALYSIS OF COAL PURCHASES  
March 2010**

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ALLEN	SPOT	-	\$ -	\$ -
	CONTRACT	198,156	17,709,490.63	89.37
	ADJUSTMENTS	-	714,860.28	-
	TOTAL	198,156	18,424,350.91	92.98
BELEWS CREEK	SPOT	-	-	-
	CONTRACT	346,123	33,171,755.44	95.84
	ADJUSTMENTS	-	(3,625,250.11)	-
	TOTAL	346,123	29,546,505.33	85.36
BUCK	SPOT	-	-	-
	CONTRACT	18,490	1,597,879.87	86.42
	ADJUSTMENTS	-	-	-
	TOTAL	18,490	1,597,879.87	86.42
CLIFFSIDE	SPOT	-	-	-
	CONTRACT	-	70,776.72	-
	ADJUSTMENTS	-	547,931.80	-
	TOTAL	-	618,708.52	-
DAN RIVER	SPOT	-	-	-
	CONTRACT	8,736	878,287.27	100.54
	ADJUSTMENTS	-	-	-
	TOTAL	8,736	878,287.27	100.54
LEE	SPOT	-	-	-
	CONTRACT	33,547	3,041,069.19	90.65
	ADJUSTMENTS	-	244,560.66	-
	TOTAL	33,547	3,285,629.85	97.94
MARSHALL	SPOT	-	-	-
	CONTRACT	475,042	38,879,724.88	81.84
	ADJUSTMENTS	-	2,615,800.65	-
	TOTAL	475,042	41,495,525.53	87.35
RIVERBEND	SPOT	-	-	-
	CONTRACT	67,073	5,713,798.06	85.19
	ADJUSTMENTS	-	99,975.42	-
	TOTAL	67,073	5,813,773.48	86.68
ALL PLANTS	SPOT	-	-	-
	CONTRACT	1,147,166	101,062,782.06	88.10
	ADJUSTMENTS	-	597,878.70	-
	TOTAL	1,147,166	\$ 101,660,660.76	\$ 88.62

<b>SCHEDULE 8</b>
-------------------

**Duke Energy Carolinas  
Analysis of Quality of Coal Received  
Mar-10**

<b>Station</b>	<b><u>Percent Moisture</u></b>	<b><u>Percent Ash</u></b>	<b><u>Heat Value</u></b>	<b><u>Percent Sulfur</u></b>
Allen	7.35	13.40	11,775	0.97
Belews Creek	6.99	11.04	12,241	0.92
Buck	7.20	12.88	11,866	0.64
Cliffside	-	-	-	-
Dan River	6.11	11.97	12,191	0.71
Lee	7.03	9.66	12,463	0.96
Marshall	6.56	10.91	12,413	1.20
Riverbend	6.44	11.56	12,222	1.00

## Schedule 9

Duke Energy Carolinas  
Analysis of Cost of Oil Purchases  
March 2010

<b>Station</b>	<b>Allen</b>		<b>Belews Creek</b>		<b>Lee</b>		<b>Marshall</b>		<b>Riverbend</b>	
<b>Vendor</b>	HighTowers		HighTowers		HighTowers		High Towers		HighTowers	
<b>Spot / Contract</b>	Contract		Contract		Contract		Contract		Contract	
<b>Sulfur Content %</b>	0		0		0.02		0.01		0.02	
<b>Gallons Received</b>	128,269		90,579		150,828		150,292		61,535	
<b>Total Delivered Cost</b>	\$	284,360.16	\$	200,482.71	\$	331,770.90	\$	334,601.78	\$	136,359.94
<b>Delivered Cost/Gal</b>	\$	2.22	\$	2.21	\$	2.20	\$	2.23	\$	2.22
<b>BTU/Gallon</b>	137,592		137,710		138,348		138,410		138,496	

DUKE ENERGY CAROLINAS  
POWER PLANT PERFORMANCE DATA  
TWELVE MONTHS SUMMARY

April,2009 - March,2010

<u>Plant Name</u>	<u>Generation MWH</u>	<u>Capacity Rating MW</u>	<u>Capacity Factor %</u>	<u>Net Equivalent Availability %</u>
Oconee	20,847,961	2,538	93.77	91.75
McGuire	18,460,080	2,200	95.79	92.29
Catawba	18,454,571	2,258	93.30	91.08

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**April 2009 through March 2010**  
**Steam Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Belews Creek 1	7,392,423	1,110	76.03	84.23
Belews Creek 2	6,854,938	1,110	70.50	83.63

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**April 2009 through March 2010**

**Steam Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Cliffside 5	3,197,607	562	64.95	86.67
Marshall 1	1,779,250	380	53.45	85.66
Marshall 2	1,741,546	380	52.32	86.69
Marshall 3	4,704,164	658	81.61	88.43
Marshall 4	4,678,813	660	80.93	89.83

**Duke Energy Carolinas  
Power Plant Performance Data**

Schedule 10

Page 4 of 6

Exhibit A

**Twelve Month Summary**

**April 2009through March 2010**

**Other Cycling Coal Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Operating Availability (%)</b>
Allen 1	416,530	165	28.91	96.33
Allen 2	316,986	165	22.00	94.70
Allen 3	1,065,768	264	46.03	92.92
Allen 4	1,138,986	279	46.55	89.38
Allen 5	1,153,192	269	48.88	97.29
Buck 3	17,364	75	2.64	98.32
Buck 4	8,255	38	2.48	98.47
Buck 5	246,267	128	21.96	97.00
Buck 6	258,511	128	23.05	89.78
Cliffside 1	9,067	38	2.72	96.73
Cliffside 2	10,584	38	3.18	96.78
Cliffside 3	24,162	61	4.52	96.10
Cliffside 4	24,790	61	4.64	87.65
Dan River 1	29,410	67	5.01	93.99
Dan River 2	35,983	67	6.13	95.20
Dan River 3	158,501	142	12.74	91.39
Lee 1	87,006	103	9.67	91.40
Lee 2	98,437	100	11.24	90.32
Lee 3	356,003	170	23.91	93.19
Riverbend 4	72,532	94	8.81	95.13
Riverbend 5	83,540	94	10.15	95.37
Riverbend 6	230,330	133	19.77	90.99
Riverbend 7	248,311	133	21.31	90.11

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**April,2009 through March,2010**  
**Combustion Turbines**

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Buck CT	-377	85	100.00
Buzzard Roost CT	-1,369	196	100.00
Dan River CT	-350	76	72.30
Lee CT	360	82	98.75
Lincoln CT	4,234	1,264	99.55
Mill Creek CT	-926	592	98.54
Riverbend CT	-1,005	106	72.06
Rockingham CT	104,134	825	93.88

## Duke Energy Carolinas

Exhibit A  
Schedule 10  
Page 6 of 6

## Power Plant Performance

12 Months Ended March 2010

Name of Plant	Generation (MWH)	Capacity Rating (MW)	Operating Availability (%)
Conventional Hydro Plants			
Bridgewater	73,843	23.000	96.32
Cedar Creek	183,334	45.000	98.14
Cowans Ford	219,981	325.000	97.63
Dearborn	176,234	42.000	97.25
Fishing Creek	191,516	49.000	97.05
Gaston Shoals	16,766	4.600	55.94
Great Falls	14,174	24.000	47.65
Keowee	70,837	157.500	98.43
Lookout Shoals	110,880	27.000	90.14
Mountain Island	155,529	62.000	97.03
Ninety Nine Island	76,765	18.000	63.11
Oxford	135,359	40.000	93.63
Rhodhiss	82,690	30.500	97.87
Rocky Creek	1,158	28.000	-
Tuxedo	17,212	6.400	64.33
Wateree	288,159	85.000	97.38
Wylie	195,371	72.000	98.52
Nantahala	220,251	50.000	95.24
Queens Creek	5,208	1.440	94.96
Thorpe	106,505	19.700	95.66
Tuckasegee	9,294	2.500	93.62
Tennessee Creek	48,420	9.800	98.87
Bear Creek	39,103	9.450	98.87
Cedar Cliff	29,190	6.380	98.87
Mission	2,104	1.800	74.68
Franklin	(8)	1.040	87.67
Bryson	602	1.040	62.30
Dillsboro	-	0.230	50.00
Total Conventional	<u>2,470,477</u>		
Pumped Storage Plants			
Jocassee	927,837	730.000	83.77
Bad Creek	1,853,979	1,360.000	93.73
Total	<u>2,781,816</u>		
Less Energy for Pumping			
Jocassee	(1,110,101)		
Bad Creek	(2,343,145)		
Total	<u>(3,453,246)</u>		
Total Pumped Storage			
Jocassee	(182,264)		
Bad Creek	(489,166)		
Total	<u>(671,430)</u>		

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN

PERIOD: March, 2010

PLANT	UNIT	DATE OF OUTAGE	DURATION OF OUTAGE	SCHEDULED / UNSCHEDULED	CAUSE OF OUTAGE	REASON OUTAGE OCCURRED	REMEDIAL ACTION TAKEN
Oconee	1	None	447.88	SCHEDULED	END-OF-CYCLE 20 REFUELING OUTAGE	REFUEL AND MAINTENANCE	REFUEL AND MAINTENANCE
	2	None					
	3	None					
McGuire	1	03/13/2010-04/01/2010					
	2	None					
Catawba	1	None					
	2	None					

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 2 of 16

**March 2010**

**Belews Creek Steam Station**

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
02	2/26/2010 11:50:00 PM To	Sch	1999 BOILER, MISCELLANEOUS	boiler and turbine outage	

<b>Unit</b>	<b>Duration of Outage</b>	<b>Type of Outage</b>	<b>Cause of Outage</b>	<b>Reason Outage Occurred</b>	<b>Remedial Action Taken</b>
01	3/29/2010 8:03:00 AM To 3/29/2010 1:54:00 PM	Unsch	9920 CONTRACTOR ERROR	1c cbp tripped	

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
March, 2010  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	743		743		743	
(C1) Net Gen (MWH) and Capacity Factor	645461	102.69	648364	103.15	653107	103.90
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-16883	-2.69	-19786	-3.15	-24529	-3.90
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	628578	100.00 %	628578	100.00 %	628578	100.00 %
(I) Equivalent Availability		100.00		100.00		100.00
(J) Output Factor		102.69		103.15		103.90
(K) Heat Rate		10,084		10,035		9,972

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
March, 2010  
McGuire Nuclear Station

Exhibit B  
Page 4 of 16

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	743		743	
(C1) Net Gen (MWH) and Capacity Factor	330878	40.48	861120	105.36
(D1) Net MWH Not Gen Due To Full Scheduled Outages	492668	60.28	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	-6246	-0.76	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	0	0.00	-43820	-5.36
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	817300	100.00 %	817300	100.00 %
(I) Equivalent Availability		39.14		100.00
(J) Output Factor		101.92		105.36
(K) Heat Rate		10,200		10,035

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
March, 2010  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	743		743	
(C1) Net Gen (MWH) and Capacity Factor	859796	102.50	868885	103.58
(D1) Net MWH Not Gen Due To Full Scheduled Outages	0	0.00	0	0.00
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	0	0.00	0	0.00
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	0	0.00
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-20949	-2.50	-30038	-3.58
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	838847	100.00 %	838847	100.00 %
(I) Equivalent Availability		99.10		100.00
(J) Output Factor		102.50		103.58
(K) Heat Rate		9,955		9,938

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 6 of 16

**March 2010**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	743	743
(C1) Net Generation (mWh)	790,429	-10,171
(C1) Capacity Factor	95.71	0.00
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	824,730
(D1) Scheduled Outages: percent of Period Hrs	0.00	100.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	6,494	0
(E1) Forced Outages: percent of Period Hrs	0.79	0.00
(E2) Net mWh Not Generated due to Partial Forced Outages	400	0
(E2) Forced Derates: percent of Period Hrs	0.05	0.00
(F) Net mWh Not Generated due to Economic Dispatch	27,408	10,171
(F) Economic Dispatch: percent of Period Hrs	3.32	1.23
(G) Net mWh Possible in Period	824,730	824,730
(H) Equivalent Availability	99.16	0.00
(I) Output Factor (%)	96.60	0.00
(J) Heat Rate (BTU/NkWh)	9,012	0

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 7 of 16

**March 2010  
Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	743	743	743	743
(C1) Net Generation (mWh)	212,069	195,229	310,954	446,687
(D) Net mWh Possible in Period	282,340	282,340	488,894	490,380
(E) Equivalent Availability	99.23	88.22	72.26	99.28
(F) Output Factor (%)	80.58	78.12	86.39	91.66
(G) Capacity Factor	75.01	69.05	63.52	90.97

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 8 of 16

**March 2010  
Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	743
(C1) Net Generation (mWh)	-1,020
(D) Net mWh Possible in Period	417,566
(E) Equivalent Availability	0.00
(F) Output Factor (%)	0.00
(G) Capacity Factor	0.00

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
April, 2009 - March, 2010  
Oconee Nuclear Station

	UNIT 1		UNIT 2		UNIT 3	
(A) MDC (MW)	846		846		846	
(B) Period Hours	8760		8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	6315948	85.22	7567685	102.11	6964328	93.97
(D1) Net MWH Not Gen Due To Full Scheduled Outages	826500	11.15	0	0.00	541863	7.31
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	24315	0.33	696	0.01	-2266	-0.03
(E1) Net MWH Not Gen Due To Full Forced Outages	329703	4.45	0	0.00	65607	0.89
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-85506	-1.15	-157421	-2.12	-158572	-2.14
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00	0	0.00
* (G) Core Conservation	0	0.00	0	0.00	0	0.00
(H) Net MWH Possible In Period	7410960	100.00 %	7410960	100.00 %	7410960	100.00 %
(I) Equivalent Availability		84.09		99.69		91.48
(J) Output Factor		100.98		102.11		102.36
(K) Heat Rate		10,232		10,112		10,099

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
April, 2009 - March, 2010  
McGuire Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1100		1100	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	9456452	98.14	9003628	93.44
(D1) Net MWH Not Gen Due To Full Scheduled Outages	492668	5.11	897600	9.32
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	-5231	-0.05	45382	0.47
(E1) Net MWH Not Gen Due To Full Forced Outages	0	0.00	40128	0.42
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-307889	-3.20	-350738	-3.65
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9636000	100.00 %	9636000	100.00 %
(I) Equivalent Availability		94.75		89.83
(J) Output Factor		103.42		103.51
(K) Heat Rate		10,205		10,132

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

DUKE ENERGY CAROLINAS  
BASE LOAD POWER PLANT PERFORMANCE REVIEW PLAN  
April, 2009 - March, 2010  
Catawba Nuclear Station

	UNIT 1		UNIT 2	
(A) MDC (MW)	1129		1129	
(B) Period Hours	8760		8760	
(C1) Net Gen (MWH) and Capacity Factor	8827982	89.26	9626589	97.34
(D1) Net MWH Not Gen Due To Full Scheduled Outages	1043975	10.56	441473	4.46
* (D2) Net MWH Not Gen Due To Partial Scheduled Outages	29196	0.30	31077	0.31
(E1) Net MWH Not Gen Due To Full Forced Outages	147560	1.49	45702	0.46
* (E2) Net MWH Not Gen Due To Partial Forced Outages	-158673	-1.61	-254801	-2.57
* (F) Net MWH Not Gen Due To Economic Dispatch	0	0.00	0	0.00
* (G) Core Conversion	0	0.00	0	0.00
(H) Net MWH Possible In Period	9890040	100.00 %	9890040	100.00 %
(I) Equivalent Availability		87.41		94.75
(J) Output Factor		101.49		102.38
(K) Heat Rate		10,072		10,019

\*Estimate

FOOTNOTE: D1 and E1 Include Ramping Losses

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 12 of 16

**April 2009 through March 2010**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	7,392,423	6,854,938
(C1) Capacity Factor	76.03	70.50
(D1) Net mWh Not Generated due to Full Scheduled Outages	1,262,292	958,393
(D1) Scheduled Outages: percent of Period Hrs	12.98	9.86
(D2) Net mWh Not Generated due to Partial Scheduled Outages	41,544	16,538
(D2) Scheduled Derates: percent of Period Hrs	0.23	0.17
(E1) Net mWh Not Generated due to Full Forced Outages	170,977	592,574
(E1) Forced Outages: percent of Period Hrs	1.76	6.09
(E2) Net mWh Not Generated due to Partial Forced Outages	57,153	24,730
(E2) Forced Derates: percent of Period Hrs	0.59	0.25
(F) Net mWh Not Generated due to Economic Dispatch	799,212	1,276,428
(F) Economic Dispatch: percent of Period Hrs	8.22	13.13
(G) Net mWh Possible in Period	9,723,600	9,723,600
(H) Equivalent Availability	84.23	83.63
(I) Output Factor (%)	91.25	85.47
(J) Heat Rate (BTU/NkWh)	9,259	9,548

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

*Exhibit B  
Page 13 of 16*

**April 2009 through March 2010**

**Marshall Steam Station**

	Marshall 1	Marshall 2	Marshall 3	Marshall 4
(A) MDC (mWh)	380	380	658	660
(B) Period Hrs	8,760	8,760	8,760	8,760
(C1) Net Generation (mWh)	1,779,250	1,741,546	4,704,164	4,678,813
(D) Net mWh Possible in Period	3,328,800	3,328,800	5,764,080	5,781,600
(E) Equivalent Availability	85.66	86.69	88.43	89.83
(F) Output Factor (%)	78.63	77.38	90.35	89.69
(G) Capacity Factor	53.45	52.32	81.61	80.93

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

Exhibit B  
Page 14 of 16

**April 2009 through March 2010**

**Cliffside Steam Station**

Cliffside 5

(A) MDC (mWh)	562
(B) Period Hrs	8,760
(C1) Net Generation (mWh)	3,197,607
(D) Net mWh Possible in Period	4,923,120
(E) Equivalent Availability	86.67
(F) Output Factor (%)	81.61
(G) Capacity Factor	64.95

DUKE ENERGY CAROLINAS  
Outages for 100MW or Larger Units  
March,2010

Full Outage Hours					
	<u>Unit</u>	<u>MW</u>	<u>Scheduled</u>	<u>Unscheduled</u>	<u>Total</u>
Oconee	1	846	0.00	0.00	0.00
	2	846	0.00	0.00	0.00
	3	846	0.00	0.00	0.00
McGuire	1	1100	447.88	0.00	447.88
	2	1100	0.00	0.00	0.00
Catawba	1	1129	0.00	0.00	0.00
	2	1129	0.00	0.00	0.00

**Duke Energy Carolinas**  
**Outages for 100 mW or Larger Units**  
**March 2010**

Exhibit B  
Page 16 of 16

Unit Name	Capacity Rating (mW)	Full Outage Hours		Total Outage Hours
		Scheduled	Unscheduled	
Allen 1	162	0.00	0.00	0.00
Allen 2	162	119.00	23.32	142.32
Allen 3	261	36.00	87.60	123.60
Allen 4	276	0.00	15.12	15.12
Allen 5	266	0.00	0.00	0.00
Belews Creek 1	1,110	0.00	5.85	5.85
Belews Creek 2	1,110	743.00	0.00	743.00
Buck 5	128	4.50	13.55	18.05
Buck 6	128	87.25	0.00	87.25
Cliffside 5	562	743.00	0.00	743.00
Dan River 3	142	0.00	0.00	0.00
Lee 1	100	0.00	0.00	0.00
Lee 2	100	22.75	0.00	22.75
Lee 3	170	0.00	60.30	60.30
Marshall 1	380	0.00	2.47	2.47
Marshall 2	380	0.00	85.38	85.38
Marshall 3	658	0.00	195.97	195.97
Marshall 4	660	0.00	4.63	4.63
Riverbend 6	133	26.60	0.00	26.60
Riverbend 7	133	27.93	0.00	27.93
Rockingham CT1	165	48.42	3.13	51.55
Rockingham CT2	165	30.08	6.77	36.85
Rockingham CT3	165	297.58	0.00	297.58
Rockingham CT4	165	46.85	4.85	51.70
Rockingham CT5	165	679.93	0.00	679.93

The appropriate schedules have been revised due to issues related to a new upgrade of the software/reporting source of the performance data reports.

## **List of Revisions:**

(included with March 2010 Monthly Fuel Filing)

### **Jan10 & Feb10**

Revised, Exhibit A, Schedule 10, Page 2 of 6

(SC)

### **Jan10 & Feb10**

Revised, Exhibit B, Page 6 of 16

(SC)

Revised, Exhibit B, Page 12 of 16

(SC)

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**  
**February 2009 through January 2010**  
**Steam Units**

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Belews Creek 1	7,150,872	1,110	73.54	82.22
Belews Creek 2	7,518,650	1,110	77.32	90.78

**Duke Energy Carolinas**  
**Power Plant Performance Data**  
**Twelve Month Summary**

**March 2009 through February 2010**

**Steam Units**

<b>Unit Name</b>	<b>Net Generation (mWh)</b>	<b>Capacity Rating (mW)</b>	<b>Capacity Factor (%)</b>	<b>Equivalent Availability (%)</b>
Belews Creek 1	7,084,840	1,110	72.86	81.20
Belews Creek 2	7,447,601	1,110	76.59	90.08

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

**REVISED  
Exhibit B  
Page 6 of 16**

**January 2010**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	744	744
(C1) Net Generation (mWh)	774,249	703,009
(C1) Capacity Factor	93.75	85.13
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	0
(D1) Scheduled Outages: percent of Period Hrs	0.00	0.00
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	0	0
(E1) Forced Outages: percent of Period Hrs	0.00	0.00
(E2) Net mWh Not Generated due to Partial Forced Outages	2,416	5,785
(E2) Forced Derates: percent of Period Hrs	0.29	0.70
(F) Net mWh Not Generated due to Economic Dispatch	49,175	117,046
(F) Economic Dispatch: percent of Period Hrs	5.95	14.17
(G) Net mWh Possible in Period	825,840	825,840
(H) Equivalent Availability	99.71	99.30
(I) Output Factor (%)	93.75	85.13
(J) Heat Rate (BTU/NkWh)	9,296	9,518

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

REVISED  
Exhibit B  
Page 6 of 16

**February 2010**

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	672	672
(C1) Net Generation (mWh)	638,089	428,474
(C1) Capacity Factor	85.54	57.44
(D1) Net mWh Not Generated due to Full Scheduled Outages	0	53,465
(D1) Scheduled Outages: percent of Period Hrs	0.00	7.17
(D2) Net mWh Not Generated due to Partial Scheduled Outages	0	0
(D2) Scheduled Derates: percent of Period Hrs	0.00	0.00
(E1) Net mWh Not Generated due to Full Forced Outages	77,164	176,803
(E1) Forced Outages: percent of Period Hrs	10.34	23.70
(E2) Net mWh Not Generated due to Partial Forced Outages	29,438	9,902
(E2) Forced Derates: percent of Period Hrs	3.95	1.33
(F) Net mWh Not Generated due to Economic Dispatch	1,229	77,275
(F) Economic Dispatch: percent of Period Hrs	0.16	10.36
(G) Net mWh Possible in Period	745,920	745,920
(H) Equivalent Availability	85.71	67.80
(I) Output Factor (%)	95.41	83.09
(J) Heat Rate (BTU/NkWh)	9,374	9,652

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

REVISED  
Exhibit B  
Page 12 of 16

February 2009 through January 2010

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	7,150,872	7,518,650
(C1) Capacity Factor	73.54	77.32
(D1) Net mWh Not Generated due to Full Scheduled Outages	1,563,158	308,062
(D1) Scheduled Outages: percent of Period Hrs	16.08	3.17
(D2) Net mWh Not Generated due to Partial Scheduled Outages	49,576	17,864
(D2) Scheduled Derates: percent of Period Hrs	0.31	0.18
(E1) Net mWh Not Generated due to Full Forced Outages	87,319	555,372
(E1) Forced Outages: percent of Period Hrs	0.90	5.71
(E2) Net mWh Not Generated due to Partial Forced Outages	27,315	15,550
(E2) Forced Derates: percent of Period Hrs	0.28	0.16
(F) Net mWh Not Generated due to Economic Dispatch	845,360	1,308,102
(F) Economic Dispatch: percent of Period Hrs	8.69	13.45
(G) Net mWh Possible in Period	9,723,600	9,723,600
(H) Equivalent Availability	82.22	90.78
(I) Output Factor (%)	90.70	86.34
(J) Heat Rate (BTU/NkWh)	9,264	9,459

\*Estimated

Footnote: (J) Includes Light Off BTU's

**Duke Energy Carolinas  
Base Load Power Plant  
Performance Review Plan**

REVISED  
Exhibit B  
Page 12 of 16

March 2009 through February 2010

**Belews Creek Steam Station**

	<u>Unit 1</u>	<u>Unit 2</u>
(A) MDC (mw)	1,110	1,110
(B) Period Hrs	8,760	8,760
(C1) Net Generation (mWh)	7,084,840	7,447,601
(C1) Capacity Factor	72.86	76.59
(D1) Net mWh Not Generated due to Full Scheduled Outages	1,563,158	328,949
(D1) Scheduled Outages: percent of Period Hrs	16.08	3.38
(D2) Net mWh Not Generated due to Partial Scheduled Outages	41,544	17,864
(D2) Scheduled Derates: percent of Period Hrs	0.23	0.18
(E1) Net mWh Not Generated due to Full Forced Outages	164,483	592,574
(E1) Forced Outages: percent of Period Hrs	1.69	6.09
(E2) Net mWh Not Generated due to Partial Forced Outages	56,753	25,452
(E2) Forced Derates: percent of Period Hrs	0.58	0.26
(F) Net mWh Not Generated due to Economic Dispatch	812,822	1,311,160
(F) Economic Dispatch: percent of Period Hrs	8.36	13.48
(G) Net mWh Possible in Period	9,723,600	9,723,600
(H) Equivalent Availability	81.20	90.08
(I) Output Factor (%)	90.75	86.10
(J) Heat Rate (BTU/NkWh)	9,279	9,495

\*Estimated

Footnote: (J) Includes Light Off BTU's